FIG. 1A

	GAATTCTC	TGGACTGA	GGCTCCAC	STTCTGG	CCTTTGGGG
TTCAAGATCACTGGGACC	AGGCCGTGAT	CTCTATGC	CCGAGTCT	CAACCC	TCAACTGTC
ACCCCAAGGCACTTGGGA	CGTCCTGGAC	CAGACCGAG	TCCCGGG#	AGCCCC.	AGCACTGCC

GCTGCCACACTGCCCTGA	GCCCAAATGG	GGGAGTGA	GAGGCCA	TAG CT	G TCT GGC
S1 S		. .	S10	D I	S15
Met Gly Leu Ser Th ATG GGC CTC TCC AC 216 225		GAC CTG		CCA CT	
S2			S25		S29 1
Leu Glu Leu Leu Va CTG GAG CTG TTG GT	l Gly Ile	Tyr Pro	Ser Gly	Val Il	e Gly Leu
261 270	27	19	288	011	297
5		10			15
Val Pro His Leu Gl GTC CCT CAC CTA GG	y Asp Arg	Glu Lys	Arg Asp	Ser Va	l Cys Pro
306 315		24	333		342
20		25			30
Gln Gly Lys Tyr Il CAA GGA AAA TAT AT					
351 360	36		378		387
35		40			45
Lys Cys His Lys Gl AAG TGC CAC AAA GG	y Thr Tyr A ACC TAC	Leu Tyr	ASN ASP	Cys Pr TGT CC	A GGC CCG
396 405	41	L 4	423		432
50		55	61	G1 G-	60
Gly Gln Asp Thr As GGG CAG GAT ACG GA	C TGC AGG	GAG TGT	GAG AGC	GGC TC	C TTC ACC
441 450	45	59	468		477
65	- Y 3	70	I av. Cam	C C	75
Ala Ser Glu Asn Hi GCT TCA GAA AAC CA			CTC AGC		
486 495	50	04	513		522
80 Arg Lys Glu Met Gl	u Cln Ual	85 Glu Ile	Sar Sar	Cue mh	90 r Val Asp
CGA AAG GAA ATG GG	T CAG GTG	GAG ATC	TCT TCT	TGC AC	A GTG GAC
531 540	54	19	558		567

FIG. 1B

Arg Asp Thr CGG GAC ACC 576	95 Val Cys Gly GTG TGT GGC 585	100 Cys Arg Lys TGC AGG AAG 594	Asn Gln Tyr	105 Arg His Tyr CGG CAT TAT 612
Trp Ser Glu TGG AGT GAA 621	110 Asn Leu Phe AAC CTT TTC 630	Gln Cys Phe CAG TGC TTC 639	Asn Cys Ser	120 Leu Cys Leu CTC TGC CTC 657
			Glu Lys Gln	135 Asn Thr Val AAC ACC GTG 702
Cys Thr Cys TGC ACC TGC 711	140 His Ala Gly CAT GCA GGT 720	Phe Phe Leu TTC TTT CTA 729	Arg Glu Asn	150 Glu Cys Val GAG TGT GTC 747
			Glu Cys Thr	165 Lys Leu Cys AAG TTG TGC 792
Leu Pro Gln CTA CCC CAG 801	170 Ile Glu Asn ATT GAG AAT 810	175 Val Lys Gly GTT AAG GGC 819	Thr Glu Asp	180 Ser Gly Thr TCA GGC ACC 837
		GTC ATT TTC	Phe Gly Leu	195 Cys Leu Leu TGC CTT TTA 882
TCC CTC CTC	200 Phe Ile Gly	205		210
891		TTA ATG TAT	CGC TAC CAA	CGG TGG AAG
Ser Lys Leu	900 215 Tyr Ser Ile	909 220 Val Cys Gly	CGC TAC CAA 918 Lys Ser Thr	CGG TGG AAG

FIG. 1C

Pro Ser CCA AGC 1026	TTC	245 Ser Pro AGT CCC 1035	ACT	CCA GG	C TTC	Thr Pro	ACC	CTG GGC	Phe TTC
	GTG	260 Pro Ser CCC AGT 1080	TCC	ACC TI	C ACC		TCC	ACC TAT	
CCC GGT	GAC	275 Cys Pro TGT CCC 1125	AAC	TTT GC	G GCT	Pro Arg	AGA	GAG GTG	Ala GCA
CCA CCC	TAT	290 Gln Gly CAG GGG 1170	GCT	GAC CC	o Ile C ATC	CTT GCG			
TCC GAC	CCC	305 Ile Pro ATC CCC 1215	AAC	CCC CT	u Gln T CAG	AAG TGG	GAG	GAC AGC	
His Lys CAC AAG 1251	CCA	320 Gln Ser CAG AGC 1260	Leu CTA	Asp Th	r Asp T GAT	Asp Pro GAC CCC 1278	GCG	ACG CTG	Tyr TAC
GCC GTG	GTG	335 Glu Asn GAG AAC 1305	GTG	CCC CC	G TTG		AA <u>C</u>	GGAATTC 1332	

FIG. 2

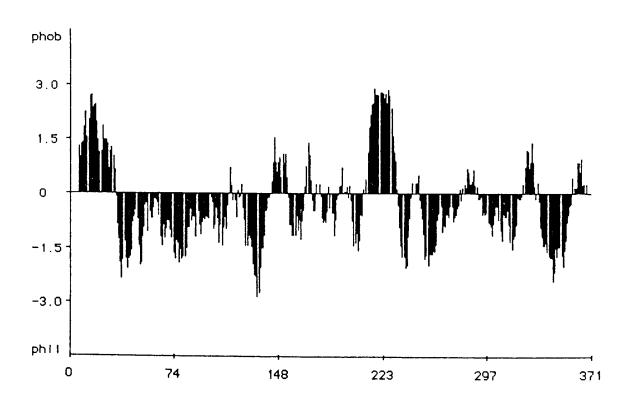


FIG. 3A

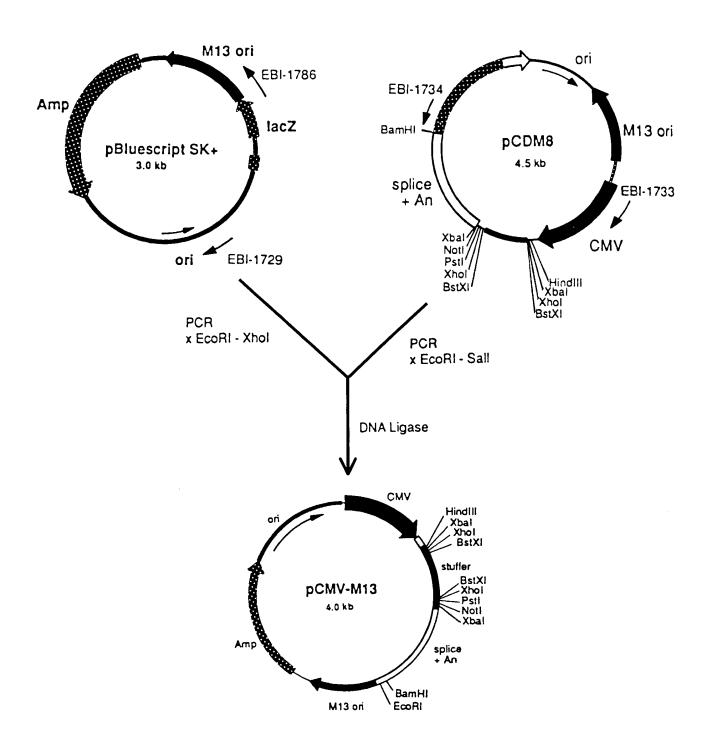
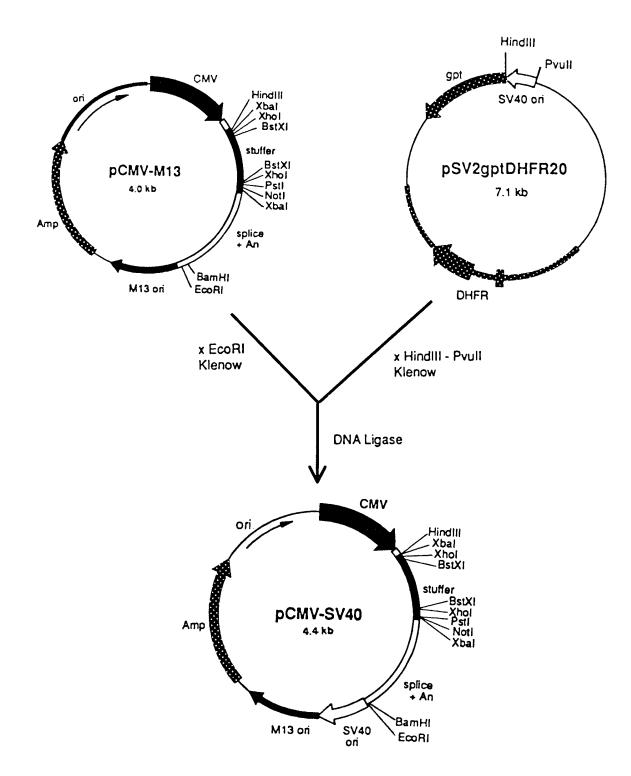
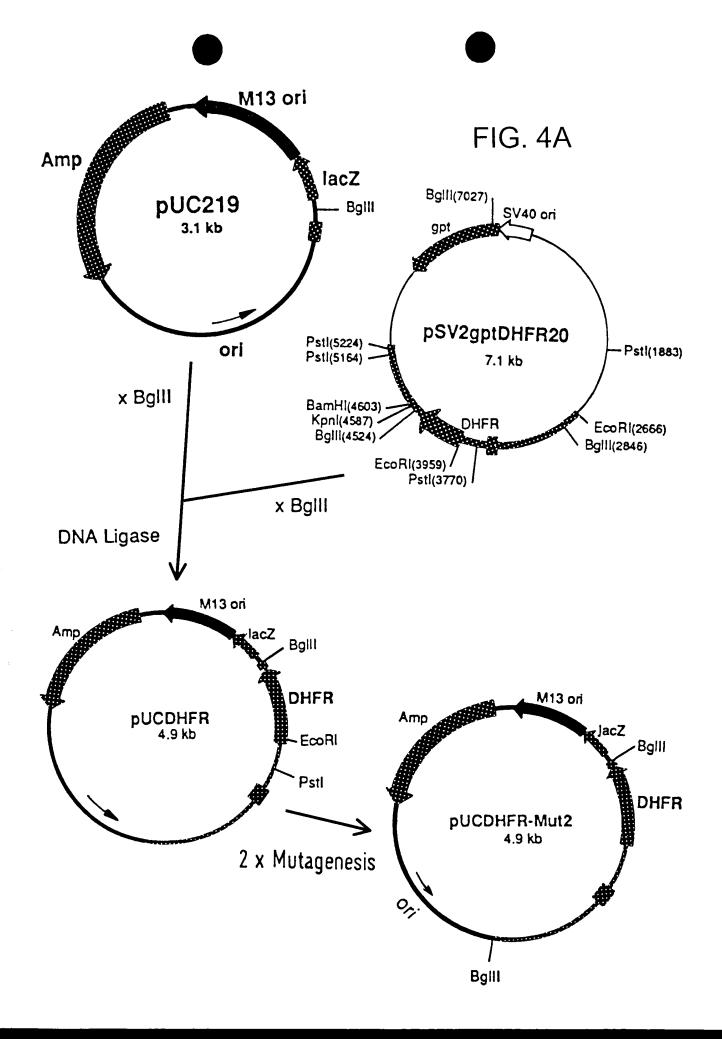
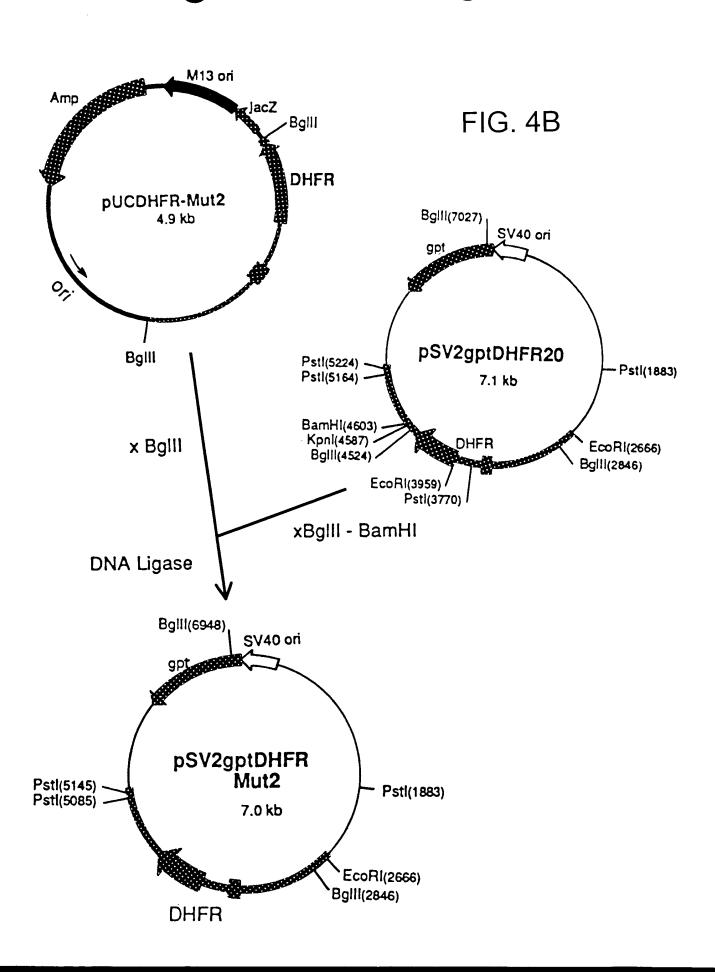
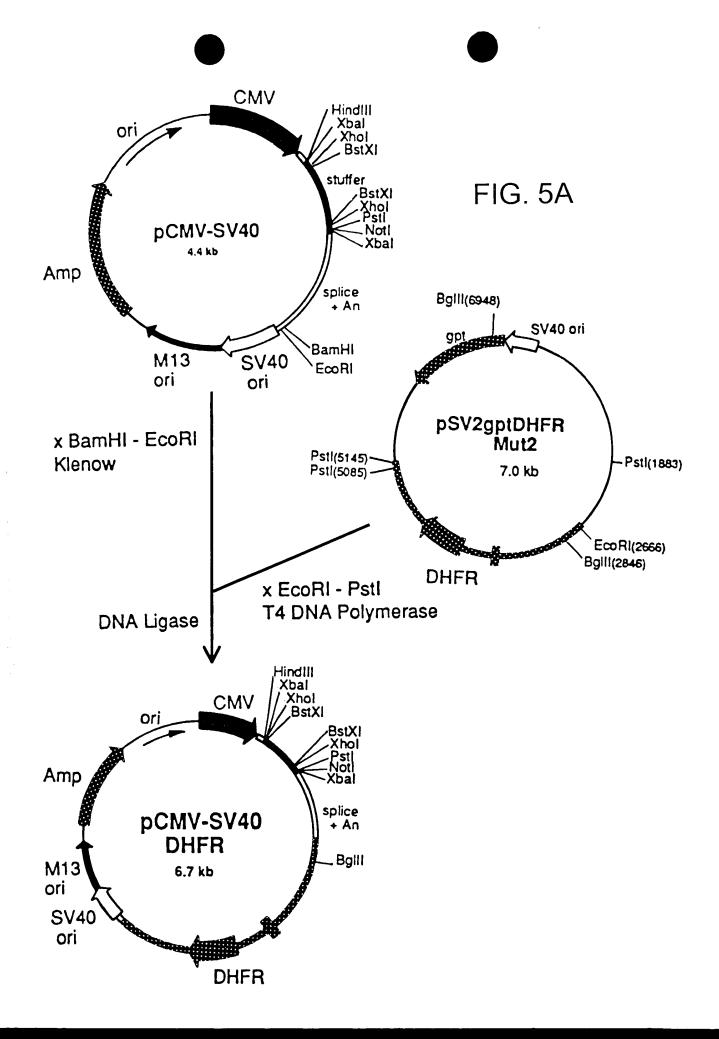


FIG. 3B









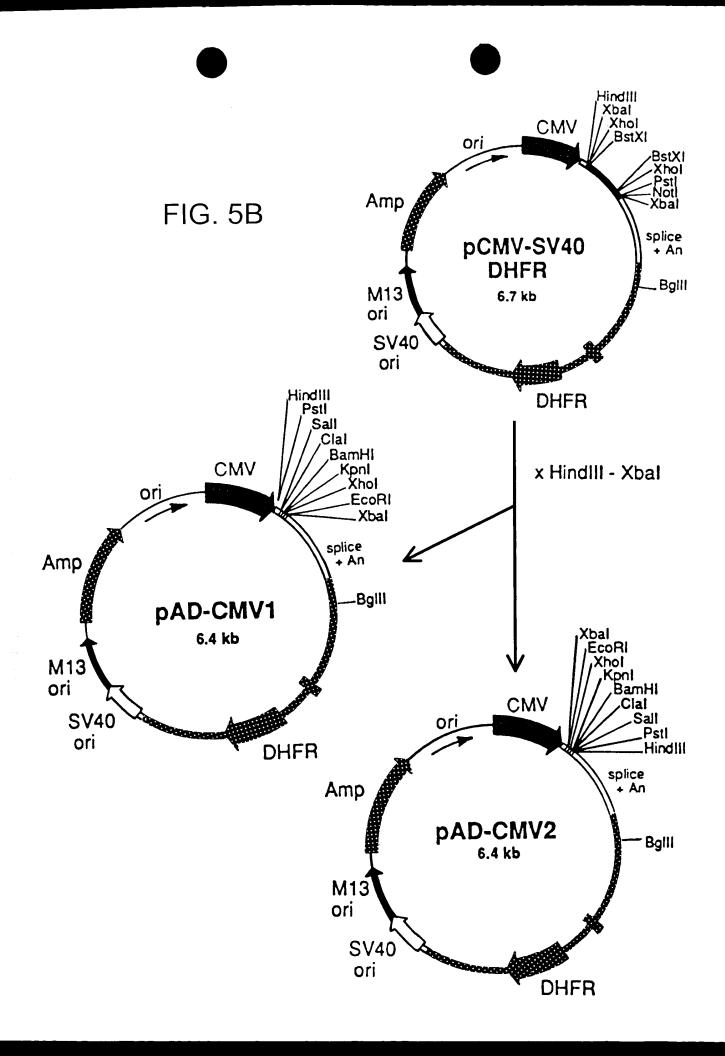


FIG. 6A

pAD-CMV1 : 6414 bp

60	TAGTTCATAG	ACGGGGTCAT	GTAATCAATT	GTTATTAATA	TTATTGACTA	TCGACATTGA
120	GCTGACCGCC	GGCCCGCCTG	TACGGTAAAT	TTACATAACT	GAGTTCCGCG	CCCATATATG
180	CGCCAATAGG	CCCATAGTAA	GACGTATGTT	CGTCAATAAT	CGCCCATTGA	CAACGACCCC
240	TGGCAGTACA	ACTGCCCACT	TTTACGGTAA	GGGTGGAGTA	TGACGTCAAT	GACTTTCCAT
300	AATGGCCCGC	AATGACGGTA	TATTGACGTC	GTACGCCCCC	CATATGCCAA	TCAAGTGTAT
360	ACATCTACGT	ACTTGGCAGT	GGACTTTCCT	TGACCTTATG	GCCCAGTACA	CTGGCATTAT
420	GGCGTGGATA	TACATCAATG	GTTTTGGCAG	TGGTGATGCG	GCTATTACCA	ATTAGTCATC
480	GGAGTTTGTT	GACGTCAATG	CCACCCCATT	TTCCAAGTCT	TCACGGGGAT	GCGGTTTGAC
540	CATTGACGCA	AACTCCGCCC	ATGTCGTAAC	ACTTTCCAAA	AATCAACGGG	TTGGCACCAA
600	GGCTAACTAG	AGAGCTCTCT	CTATATAAGC	GGTGGGAGGT	AGGCGTGTAC	AATGGGCGGT
660	GAGACCCAAG	TCACTATAGG	TTAATACGAC	CTTATCGAAA	GCTTAACTGG	AGAACCCACT
720	AGAGGATCTT	CGAATTCTCT	ACCTCGAGCG	TGGATCCGGT	TCGACATCGA	CTTCTGCAGG
780	CAGAGATTTA	AAACTACCTA	ATAATTGGAC	GTGGTGTGAC	CCTTACTTCT	TGTGAAGGAA
840	TGATTCTAAT	GTTAAACTAC	TGTATAATGT	AATTTTTAAG	GTAAATATAA	AAGCTCTAAG
900	GGTGGAATGC	TGGGAGCAGT	AACTGATGAA	CAACCTATGG	TTTTAGATTC	TGTTTGTGTA
960	ATGAGGCTAC	TCTAGTGATG	AGAAATGCCA	TTTGCTCAGA	GAAAACCTGT	CTTTAATGAG
1020	ACCCCAAGGA	AAGGTAGAAG	AAAGAAGAGA	CTCCTCCAAA	CAACATTCTA	TGCTGACTCT
1080	GAACTCTTGC	TTTAGTAATA	TCATGCTGTG	GTTTTTTGAG	GAATTGCTAA	CTTTCCTTCA
1140	AAATTATGGA	CTATACAAGA	AGCTGCACTG	CAAAGGAAAA	ATTTACACCA	TTGCTTTGCT
1200	ACATTTGTAG	CAGCCATACC	AGATCATAAT	CCTTGACTAG	ATGTATAGTG	AAAATATTTG
1260	CATAAAATGA	GAACCTGAAA	ACCTCCCCT	AACCTCCCAC	TGCTTTAAAA	AGGTTTTACT
1320	TAAAGCAATA	TGGTTACAAA	CAGCTTATAA	TTGTTTATTG	TGTTGTTAAC	ATGCAATTGT
1380	GGTTTGTCCA	TTCTAGTTGT	TTTCACTGCA	AAAGCATTTT	TTTCACAAAT	GCATCACAAA
1440	TTAAAGACAG	GAAACTAGCC	TCAATTCTGA	CATGTCTGGA	TGTATCTTAT	AACTCATCAA

FIG. 6B

ACAGCTTTGT	TCTAGTCAGC	CAGGCAAGCA	TATGTAAATA	AAGTTCCTCA	GGGAACTGAG	1500
GTTAAAAGAT	GTATCCTGGA	CCTGCCAGAC	CTGGCCATTC	ACGTAAACAG	AAGATTCCGC	1560
CTCAAGTTCC	GGTTAACAAC	AGGAGGCAAC	GAGATCTCAA	ATCTATTACT	TCTAATCGGG	1620
TAATTAAAAC	CTTTCAACTA	AAACACGGAC	CCACGGATGT	CACCCACTTT	TCCTTCCCCG	1680
GCTCCGCCCT	TCTCAGTACT	CCCCACCATT	AGGCTCGCTA	CTCCACCTCC	ACTTCCGGGC	1740
GCGACACCCA	CGTGCCCTCT	CCCACCCGAC	GCTAACCCCG	CCCCTGCCCG	TCTGACCCCG	1800
CCCACCACCT	GCCCCGCCC	CGTTGAGGAC	AGAAGAAACC	CCGGGCAGCC	GCAGCCAAGG	1860
CGGACGGGTA	GACGCTGGGG	GCGCTGAGGA	GTCGTCCTCT	ACCTTCTCTG	CTGGCTCGGT	1920
GGGGGACGCG	GTGGATCTCA	GGCTTCCGGA	AGACTGGAAG	AACCGGCTCA	GAACCGCTTG	1980
TCTCCGCGGG	GCTTGGGCGG	CGGAAGAATG	GCCGCTAGAC	GCGGACTTGG	TGCGAGGCAT	2040
CGCAGGATGC	AGAAGAGCAA	GCCCGCCGGG	AGCGCGCGC	TGTACTACCC	CGCGCCTGGA	2100
GCGGCCACGC	CGGACTGGGC	GGGCCGGCC	TGGTGGAGGC	GGAGTCTGAC	CTCGTGGAGG	2160
CGGGGCCTCT	GATGTTCAAA	TAGGATGCTA	GGCTTGTTGA	GGCGTGGCCT	CCGATTCACA	2220
AGTGGGAAGC	AGCGCCGGGC	GACTGCAATT	TCGCGCCAAA	CTTGGGGGAA	GCACAGCGTA	2280
CAGGCTGCCT	AGGTGATCGC	TGCTGCTGTC	ATGGTTCGAC	CGCTGAACTG	CATCGTCGCC	2340
GTGTCCCAGA	ATATGGGCAT	CGGCAAGAAC	GGAGACCTTC	CCTGGCCAAT	GCTCAGGTAC	2400
TGGCTGGATT	GGGTTAGGGA	AACCGAGGCG	GTTCGCTGAA	TCGGGTCGAG	CACTTGGCGG	2460
AGACGCGCGG	GCCAACTACT	TAGGGACAGT	CATGAGGGGT	AGGCCCGCCG	GCTGCTGCCC	2520
TTGCCCATGC	CCGCGGTGAT	CCCCATGCTG	TGCCAGCCTT	TGCCCAGAGG	CGCTCTAGCT	2580
GGGAGCAAAG	TCCGGTCACT	GGGCAGCACC	ACCCCCGGA	CTTGCATGGG	TAGCCGCTGA	2640
GATGGAGCCT	GAGCACACGT	GACAGGGTCC	CTGTTAACGC	AGTGTTTCTC	TAACTTTCAG	2700
GAACGAGTTC	AAGTACTTCC	AAAGAATGAC	CACCACCTCC	TCAGTGGAAG	GTAAACAGAA	2760
CCTGGTGATT	ATGGGCCGGA	AAACCTGGTT	CTCCATTCCT	GAGAAGAATC	GACCTTTAAA	2820
GGACAGAATT	AATATAGTTC	TCAGTAGAGA	GCTCAAGGAA	CCACCACAAG	GAGCTCATTT	2880
TCTTGCCAAA	AGTCTGGACC	ATGCCTTAAA	ACTTATTGAA	CAACCAGAGT	TAGCAGATAA	2940
AGTGGACATG	GTTTGGATAG	TTGGAGGCAG	TTCCGTTTAC	AAGGAAGCCA	TGAATCAGCC	3000

FIG. 6C

AGGCCATCTC	AGACTCTTTG	TGACAAGGAT	CATGCAGGAA	TTTGAAAGTG	ACACGTTCTT	3060
CCCAGAAATT	GATTTGGAGA	AATATAAACT	TCTCCCAGAG	TACCCAGGGG	TCCTTTCTGA	3120
AGTCCAGGAG	GAAAAAGGCA	TCAAGTATAA	ATTTGAAGTC	TATGAGAAGA	AAGGCTAACA	3180
GAAAGATACT	TGCTGATTGA	CTTCAAGTTC	TACTGCTTTC	СТССТААААТ	TATGCATTTT	3240
TACAAGACCA	TGGGACTTGT	GTTGGCTTTA	GATCCTGTGC	ATCCTGGGCA	ACTGTTGTAC	3300
TCTAAGCCAC	TCCCCAAAGT	CATGCCCCAG	CCCCTGTATA	ATTCTAAACA	ATTAGAATTA	3360
TTTTCATTTT	CATTAGTCTA	ACCAGGTTAT	ATTAAATATA	CTTTAAGAAA	CACCATTTGC	3420
CATAAAGTTC	TCAATGCCCC	TCCCATGCAG	CCTCAAGTGG	CTCCCCAGCA	GATGCATAGG	3480
GTAGTGTGTG	TACAAGAGAC	CCCAAAGACA	TAGAGCCCCT	GAGAGCATGA	GCTGATATGG	3540
GGGCTCATAG	AGATAGGAGC	TAGATGAATA	AGTACAAAGG	GCAGAAATGG	GTTTTAACCA	3600
GCAGAGCTAG	AACTCAGACT	TTAAAGAAAA	TTAGATCAAA	GTAGAGACTG	AATTATTCTG	3660
CACATCAGAC	TCTGAGCAGA	GTTCTGTTCA	CTCAGACAGA	AAATGGGTAA	ATTGAGAGCT	3720
GGCTCCATTG	TGCTCCTTAG	AGATGGGAGC	AGGTGGAGGA	TTATATAAGG	TCTGGAACAT	3780
TTAACTTCTC	CGTTTCTCAT	CTTCAGTGAG	ATTCCAAGGG	ATACTACAAT	TCTGTGGAAT	3840
GTGTGTCAGT	TAGGGTGTGG	AAAGTCCCCA	GGCTCCCCAG	CAGGCAGAAG	TATGCAAAGC	3900
ATGCATCTCA	ATTAGTCAGC	AACCAGGTGT	GGAAAGTCCC	CAGGCTCCCC	AGCAGGCAGA	3960
AGTATGCAAA	GCATGCATCT	CAATTAGTCA	GCAACCATAG	TCCCGCCCCT	AACTCCGCCC	4020
ATCCCGCCCC	TAACTCCGCC	CAGTTCCGCC	CATTCTCCGC	CCCATGGCTG	ACTAATTTTT	4080
TTTATTTATG	CAGAGGCCGA	GGCGCCTCTG	AGCTATTCCA	GAAGTAGTGA	GGAGGCTTTT	4140
TTGGAGGCCT	AGGCTTTTGC	AAAAAAGCTA	ATTCAGCCTG	AATGGCGAAT	GGGACGCGCC	4200
CTGTAGCGGC	GCATTAAGCG	CGGCGGGTGT	GGTGGTTACG	CGCAGCGTGA	CCGCTACACT	4260
TGCCAGCGCC	CTAGCGCCCG	CTCCTTTCGC	TTTCTTCCCT	TCCTTTCTCG	CCACGTTCGC	4320
CGGCTTTCCC	CGTCAAGCTC	TAAATCGGGG	GCTCCCTTTA	GGGTTCCGAT	TTAGTGCTTT	4380
ACGGCACCTC	GACCCCAAAA	ACTTGATTAG	GGTGATGGTT	CACGTAGTGG	GCCATCGCCC	4440
TGATAGACGG	TTTTTCGCCC	TTTGACGTTG	GAGTCCACGT	TCTTTAATAG	TGGACTCTTG	4500
TTCCAAACTG	GAACAACACT	CAACCCTATC	TCGGTCTATT	CTTTTGATTT	ATAAGGGATT	4560

FIG. 6D

TTGCCGATTT	CGGCCTATTG	GTTAAAAAAT	GAGCTGATTT	AACAAAAATT	TAACGCGAAT	4620
TTTAACAAAA	TATTAACGTT	TACAATTTCA	GGTGGCACTT	TTCGGGGAAA	TGTGCGCGGA	4680
ACCCCTATTT	GTTTATTTTT	CTAAATACAT	TCAAATATGT	ATCCGCTCAT	GAGACAATAA	4740
CCCTGATAAA	TGCTTCAATA	ATATTGAAAA	AGGAAGAGTA	TGAGTATTCA	ACATTTCCGT	4800
GTCGCCCTTA	TTCCCTTTTT	IGCGGCATTT	TGCCTTCCTG	TTTTTGCTCA	CCCAGAAACG	4860
CTGGTGAAAG	TAAAAGATGC	TGAAGATCAG	TTGGGTGCAC	GAGTGGGTTA	CATCGAACTG	4920
GATCTCAACA	GCGGTAAGAT	CCTTGAGAGT	TTTCGCCCCG	AAGAACGTTT	TCCAATGATG	4980
AGCACTTTTA	AAGTTCTGCT	ATGTGGCGCG	GTATTATCCC	GTATTGACGC	CGGGCAAGAG	5040
CAACTCGGTC	GCCGCATACA	CTATTCTCAG	AATGACTTGG	TTGAGTACTC	ACCAGTCACA	5100
GAAAAGCATC	TTACGGATGG	CATGACAGTA	AGAGAATTAT	GCAGTGCTGC	CATAACCATG	5160
AGTGATAACA	CTGCGGCCAA	CTTACTTCTG	ACAACGATCG	GAGGACCGAA	GGAGCTAACC	5220
GCTTTTTTGC	ACAACATGGG	GGATCATGTA	ACTCGCCTTG	ATCGTTGGGA	ACCGGAGCTG	5280
AATGAAGCCA	TACCAAACGA	CGAGCGTGAC	ACCACGATGC	CTGTAGCAAT	GGCAACAACG	5340
TTGCGCAAAC	TATTAACTGG	CGAACTACTT	ACTCTAGCTT	CCCGGCAACA	ATTAATAGAC	5400
TGGATGGAGG'	CGGATAAAGT	TGCAGGACCA	CTTCTGCGCT	CGGCCCTTCC	GGCTGGCTGG	5460
TTTATTGCTG	ATAAATCTGG	AGCCGGTGAG	CGTGGGTCTC	GCGGTATCAT	TGCAGCACTG	5520
GGGCCAGATG	GTAAGCCCTC	CCGTATCGTA	GTTATCTACA	CGACGGGGAG	TCAGGCAACT	5580
ATGGATGAAC	GAAATAGACA	GATCGCTGAG	ATAGGTGCCT	CACTGATTAA	GCATTGGTAA	5640
CTGTCAGACC	AAGTTTACTC	ATATATACTT	TAGATTGATT	TAAAACTTCA	TTTAATTTT	5700
AAAAGGATCT	AGGTGAAGAT	CCTTTTTGAT	AATCTCATGA	CCAAAATCCC	TTAACGTGAG	5760
TTTTCGTTCC	ACTGAGCGTC	AGACCCCGTA	GAAAAGATCA	AAGGATCTTC	TTGAGATCCT	5820
TTTTTTCTGC	GCGTAATCTG	CTGCTTGCAA	АСАААААААС	CACCGCTACC	AGCGGTGGTT	5880
TGTTTGCCGG	ATCAAGAGCT	ACCAACTCTT	TTTCCGAAGG	TAACTGGCTT	CAGCAGAGCG	5940
CAGATACCAA	ATACTGTCCT	TCTAGTGTAG	CCGTAGTTAG	GCCACCACTT	CAAGAACTCT	6000
GTAGCACCGC	CTACATACCT	CGCTCTGCTA	ATCCTGTTAC	CAGTGGCTGC	TGCCAGTGGC	6060
GATAAGTCGT	GTCTTACCGG	GTTGGACTCA	AGACGATAGT	TACCGGATAA	GGCGCAGCGG	6120

FIG. 6E

TCGGGCTGAA	CGGGGGGTTC	GTGCACACAG	CCCAGCTTGG	AGCGAACGAC	CTACACCGAA	6180
CTGAGATACC	TACAGCGTGA	GCATTGAGAA	AGCGCCACGC	TTCCCGAAGG	GAGAAAGGCG	6240
GACAGGTATC	CGGTAAGCGG	CAGGGTCGGA	ACAGGAGAGC	GCACGAGGGA	GCTTCCAGGG	6300
GGAAACGCCT	GGTATCTTTA	TAGTCCTGTC	GGGTTTCGCC	ACCTCTGACT	TGAGCGTCGA	6360
TTTTTGTGAT	GCTCGTCAGG	GGGGCGGAGC	CTATGGAAAA	ACGCCAGCAA	CGCC	

FIG. 7A

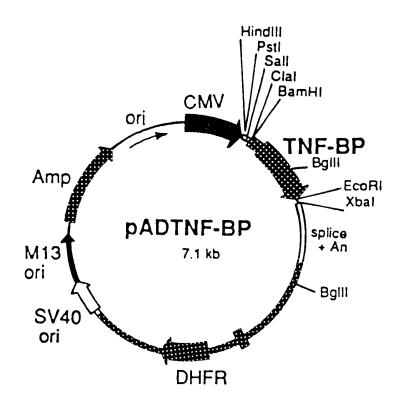


FIG. 7B

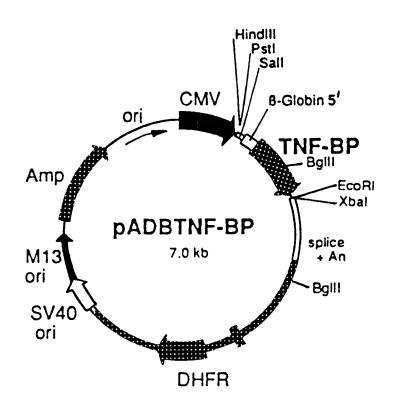


FIG. 7C

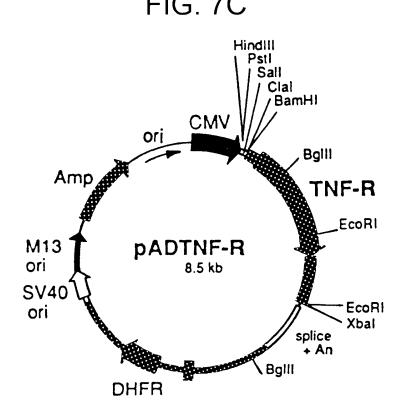


FIG. 7D

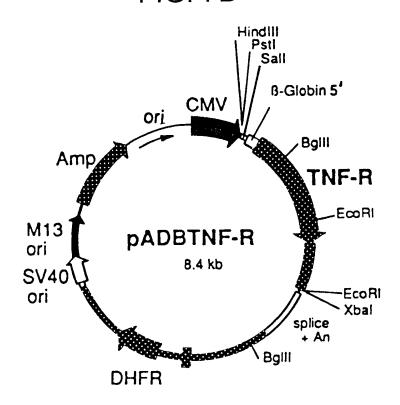


FIG. 8A

raTNF-R

GAATTCCTTT	TCTC	CGAG'	TT T	rcTG:	AACT	C TG	GCTC	ATGA	TCG	GGCT:	rac '	TGGA:	racgi	AG	6	0	
AATCCTGGAG,															12	0	
GGGCTCACGC															18	-	
TTGCCAATTG	CTGC	CCTG	IC C	CCAG	ccc	A ATO	GGGG	GAGT	GAG	AGAG	GCC .	ACTG	CCGG	CC	24	0	
GGAC																	
245/1								275,									
ATG GGT CTC	CCC	ATC	676	CCT	GGC	CTG	CTG	CTG	TCA	CTG	GTG	CTC	CTG	GCT	CTG	CTG	ATG
Met Gly Leu 305/21	Pro	ire	Val	PIO	GIĀ	Leu	Leu	335,	Ser /21	Leu	vai	ren	Leu	Ala	Leu	Leu	Met
GGG ATA CAC	CCA	TCA	GGG	GTC	ACC	GGA	CTG			тСт	СТТ	ССТ	GAC	ccc	GAC	330	
Gly Ile His	Pro	Ser	Glv	Val	Thr	Glv	Len	Val	Pro	Ser	T.e.ii	Glv	Asn	1200	Glu	AAG	AGG
365/41			- 2			ودن		395	/51	001		011	p		Olu	rås	Arg
GAT AAT TTG	TGT	CCC	CAG	GGA	AAG	TAT	GCĊ			AAG	AAT	AAT	TCC	ATC	TGC	TGC	ACC
Asp Asn Leu	Cys	Pro	Gln	Gly	Lys	Tyr	Ala	His	Pro	Lys	Asn	Asn	Ser	Ile	Cys	Cvs	Thr
425/61								455,	/71						_	-	
AAG TGC CAC	AAA	GGA	ACC	TAC	TTG	GTG	AGT	GAC	TGT	CCA	AGC	CCA	GGG	CAG	GAA	ACA	GTC
Lys Cys His	Lys	Gly	Thr	Tyr	Leu	Val	Ser			Pro	Ser	Pro	Gly	Gln	Glu	Thr	Val
485/81								515,									
TGC GAG CTC	TCT	CAT	AAA	GGC	ACC	TTT	ACA	GCT	TCG	CAG	AAC	CAC	GTC	AGA	CAG	TGT	CTC
Cys Glu Leu	Ser	His	Lys	GIA	Thr	Phe	Thr			Gln	Asn	His	Val	Arg	Gln	Cys	Leu
545/101 AGT TGC AAG	אכא	TO T	ccc	תתת	C N N	እ ጥር	mm.c		/111	CNC	» mm	mc m	CCM	mco			
Ser Cys Lys	Thr	CAR	Ara	Tus	GAA	Mat	Pho	CAG	Val	GAG	TIA	202	Dro	760	AAA	GCT	GAC
605/121	1111	Cys	nry	כעני	Giu	1.16.0	rne		/131	GIU	116	261	FIO	Cys	гĀЗ	YIS	ASP
ATG GAC ACC	GTG	TGT	GGC	TGC	AAG	AAG	AAC			CAG	CGC	TAC	CTG	AGT	GAG	ACG	тап
Met Asp Thr	Val	Cys	Gly	Cvs	Lys	Lvs	Asn	Gln	Phe	Gln	Ara	Tvr	Leu	Ser	Glu	The	His
665/141		_		- 4		-2-			/151		9	- 1 -		001	014	1	1113
TTC CAG TGT	GTG	GAC	TGC	AGC	CCC	TGC	TTC	AAT	GGC	ACC	GTG	ACA	ATC	CCC	TGT	λAG	GAG
Phe Gln Cys	Val	Asp	Cys	Ser	Pro	Cys	Phe	Asn	Gly	Thr	Val	Thr	Ile	Pro	Cys	Lys	Glu
725/161									/171							_	
AAA CAG AAC	ACC	GTG	TGT	AAC	TGC	CAC	GCA	GGA	TTC	TTT	CTA	AGC	GGA	AAT	GAG	TGC	ACC
Lys Gln Asn	Thr	Val	Cys	Asn	Cys	His	Ala			Phe	Leu	Ser	Gly	Asn	Glu	Cys	Thr
785/181	CNC	TCC	220	* * *	3 3 m	CNC	C > >		/191		C.T.C	mc0	~m.				
CCT TGC AGC Pro Cys Ser	His	Cva	Luc	T.UB	AAT	Gla	GAA	TGT	Mot	AAG	CTG	TGC	CTA	CCT	CCA	GTT	GCA
845/201	*****	CYS	273	Dy 3	A311	GIII	GIU		/211	пуз	Deu	Cys	neu	PIO	PIO	Val	Alg
AAT GTC ACA	AAC	ccc	CAG	GAC	TCA	GGT	ACT			CTG	TTG	ССТ	CTG	GTT	ATC	ттС	СТЪ
Asn Val Thr	Asn	Pro	Gln	Asp	Ser	Gly	Thr	Ala	Val	Leu	Leu	Pro	Leu	Val	Ile	Phe	Leu
905/221								935	/231								
GGT CTT TGC	CTT	TTA	TTC	TTT	ATC	TGC	ATC	AGT	CTA	CTG	TGC	CGA	TAT	ccc	CAG	TGG	AGG
Gly Leu Cys	Leu	Leu	Phe	Phe	Ile	Суз	Ile			Leu	Суз	Arg	Tyr	Pro	Gln	Trp	Arg
965/241									/251								
CCC AGG GTC	TAC	TCC	ATC	ATT	TGT	AGG	GAT	TCA	GCT	CCT	GTC	AAA	GAG	GTG	GAG	GGT	GAA
Pro Arg Val 1025/261	171	ser	11e	116	Cys	Arg	Asp	Ser	Ala 5/27:	Pro	val	Lys	Glu	Val	Glu	Gly	Glu
GGA ATT GTT	АСТ	AAG	רככ	СТА	аст	CCA	GCC				GCC	ጥጥር	N C C	CCC	N N C	000	CCC
Gly Ile Val	Thr	Lvs	Pro	Leu	Thr	Pro	Ala	Ser	Tia	Dro	Ala	Dha	202	PTO	AAC	חשם	Clar
1085/281		-10							5/29:		nia	1116	261	110	N311	PIO	GIY
TTC AAC CCC	ACT	CTG	GGC	TTC	AGC	ACC	ACC				AGT	CAT	CCT	GTC	TCC	AGT	ACC.
Phe Asn Pro	Thr	Leu	Gly	Phe	Ser	Thr	Thr	Pro	Arq	Phe	Ser	His	Pro	Val	Ser	Ser	Thr
1145/301								1175	5/31:	1							
CCC ATC AGC	CCC	GTC	TTC	GGT	CCT	AGT	AAC	TGG	CAC	AAC	TTC	GTG	CCA	CCT	GTA	AGA	GAG
Pro Ile Ser	Pro	Val	Phe	Gly	Pro	Ser	Asn	Trp	His	Asn	Phe	Val	Pro	Pro	Val	Arg	Glu
1205/321								1235	5/33:	i						-	
GTG GTC CCA	ACC	CAG	GGT	GCT	GAC	CCT	CTC	CTC	TAC	GGA	TCC	CTC	AAC	CCT	GTG	CCA	ATC
Val Val Pro	Thr	Gln	GīÀ	Ala	Asp	Pro	Leu	Leu	Tyr	Gly	Ser	Leu	Asn	Pro	Val	Pro	Ile

FIG. 8B

1265/341									5/35	_							
CCC GCC CCT	GTT	CGG	AAA	TGG	GAA	GAC	GTC	GTC	GCG	GCC	CAG	CCA	CAA	CGG	CTI	GAC	ACT
Pro Ala Pro	Val	Arg	Lys	Trp	Glu	Asp	Val	Val	Ala	Ala	Gln	Pro	Gln	Arg	Leu	Asp	Thr
1325/361		_	_						/371								
GCA GAC CCT	GCG	ATG	CTG	TAT	GCT	GTG	GTG	GAT	GGC	GTG	CCT	CCG	ACA	CGC	TGG	AAG	GAG
Ala Asp Pro	Ala	Met	Leu	Tyr	Ala	Val	Val				Pro	Pro	Thr	Arg	Trp	Lys	Glu
1385/381									/391								
TTC ATG CGG	CTC	CTG	GGG	CTG	AGC	GAG	CAC	GAG	ATC	GAG	CGG	CTG	GAG	CTG	CAG	AAC	GGG
Phe Met Arg	Leu	Leu	Gly	Leu	Ser	Glu	His				Arg	Leu	Glu	Leu	Gln	Asn	Gly
1445/401									/411								
CGT TGC CTC	CGC	GAG	GCT	CAT	TAC	AGC	ATG	CTG	GAA	GCC	TGG	CGG	CGC	CGC	ACA	CCG	CGA
Arg Cys Leu	Arg	Glu	Ala	His	Tyr	Ser	Met				Trp	Arg	Arg	Arg	Thr	Pro	Arg
1505/421									6/431								
CAC GAG GCC	ACG	CTG	GAC	GTA	GTG	GGC	CGC	GTG	CTT	TGC	GAC	ATG	AAC	CTG	CGT	GGC	TGC
His Glu Ala	Thr	Leu	Asp	Val	Val	Gly	Arg				Asp	Met	Asn	Leu	Arg	Gly	Cys
1565/441									6/45:								
CTG GAG AAC	ATC	CGC	GAG	ACT	CTA	GAA	AGC	CCT	GCC	CAC	TCG	TCC	ACG	ACC	CAC	CTC	CCG
Leu Glu Asn	Ile	Arg	Glu	Thr	Leu	Glu	Ser	Pro	Ala	His	Ser	Ser	Thr	Thr	His	Leu	Pro
1625/461																	
CGA TAA																	
Arg Stop											~			_	3.60	•	
		ACAC													1680	-	
GCCCTGCTTC															1740	-	
CTCGATCTGG															180	-	
GCCGAGGACA																-	
GACAGCTGAG															1920	-	
GATACCCACT															204	-	
CTGGGCCCTT GAACGGTTGA															210	•	
CCCCGACTCT															216	-	
		AATA	CA C	ı AAA.	WAIC	ı AA.	nng 11	JAAA	AAA	MMMA	aaa .	rana.	-AAAA		210	•	
AAAAAAGGAA	TTC																

FIG. 9A

60 120

GAATTCTCTG GACTGAGGCT CCAGTTCTGG CCTTTGGGGT TCAAGATCAC TGGGACCAGG CCGTGATCTC TATGCCCGAG TCTCAACCCT CAACTGTCAC CCCAAGGCAC TTGGGACGTC

huTNF-R

CCGTGATCTC TATGCC					120
CTGGACAGAC CGAGTO			CGCT GCCACACTGC	CCTGAGCCCA	180
AATGGGGGAG TGAGAC	GGCCA TAGCT	GTCTG GC			
213/1			243/11		
ATG GGC CTC TCC A	ACC GTG CCT	GAC CTG CTG	CTG CCA CTG GT	G CTC CTG GAG	CTG TTG GTG
Met Gly Leu Ser T	Thr Val Pro	Asp Leu Leu		l Leu Leu Glu	Leu Leu Val
273/21			303/31		
GGA ATA TAC CCC T	CA GGG GTT	ATT GGA CTG	GTC CCT CAC CT	A GGG GAC AGG	GAG AAG AGA
Gly Ile Tyr Pro S	Ser Gly Val	Ile Gly Leu		u Gly Asp Arg	Glu Lys Arg
333/41			363/51		
GAT AGT GTG TGT C	CCC CAA GGA	AAA TAT ATC	CAC CCT CAA AA	T AAT TCG ATT	TGC TGT ACC
Asp Ser Val Cys F	ero Gin Gly	Lys Tyr Ile		n Asn Ser Ile	Cys Cys Thr
393/61			423/71		
AAG TGC CAC AAA G	GGA ACC TAC	TTG TAC AAT	GAC TGT CCA GG	C CCG GGG CAG	GAT ACG GAC
Lys Cys His Lys G	Gly Thr Tyr	Leu Tyr Asn		y Pro Gly Gln	Asp Thr Asp
453/81			483/91		
TGC AGG GAG TGT G	SAG AGC GGC	TCC TTC ACC	GCT TCA GAA AA	C CAC CTC AGA	CAC TGC CTC
Cys Arg Glu Cys G	ilu Ser Gly	Ser Phe Thr		n His Leu Arg	His Cys Leu
513/101			543/111		
AGC TGC TCC AAA T	rge ega Aag	GAA ATG GGT	CAG GTG GAG AT	C TCT TCT TGC	: ACA GTG GAC
Ser Cys Ser Lys C	Lys Arg Lys	Glu Met Gly		e Ser Ser Cys	Thr Val Asp
573/121			603/131		
CGG GAC ACC GTG T	TGT GGC TGC	AGG AAG AAC	CAG TAC CGG CA	T TAT TGG AGT	GAA AAC CTT
Arg Asp Thr Val (Cys Gly Cys	Arg Lys Asn		s Tyr Trp Ser	Glu Asn Leu
633/141			663/151		
TTC CAG TGC TTC A	AAT TGC AGC	CTC TGC CTC	AAT GGG ACC GT	G CAC CTC TCC	TGC CAG GAG
Phe Gln Cys Phe A	asn Cys Ser	Leu Cys Leu		l His Leu Ser	Cys Gln Glu
693/161			723/171		
AAA CAG AAC ACC C	FIG TGC ACC	TGC CAT GCA	GGT TTC TTT CT	A AGA GAA AAC	GAG TGT GTC
Lys Gln Asn Thr V	vai Cys Thr	Cys His Ala		u Arg Glu Asn	Glu Cys Val
753/181	TCT 220 222		783/191		
TCC TGT AGT AAC T	IGI AAG AAA	AGC CTG GAG	TGC ACG AAG TT	G TGC CTA CCC	CAG ATT GAG
Ser Cys Ser Asn C 813/201	ha raa raa	ser Leu Giu		u Cys Leu Pro	Gin Ile Glu
-	בארם האם האם	TCN CCC NCC	843/211	C COO OMO OMO	
AAT GTT AAG GGC A	the Glu Aso	Sor Clar mb-	The United To	G CCC CTG GTC	ATT TTC TTT
873/221	ini dia Asp	ser Gry Thr	903/231	u Pro Leu Val	. 11e Phe Phe
GGT CTT TGC CTT T	ייים יייר כיייר	ርጥር ጥጥር አጥጥ		m ccc mac caa	000 000 110
Gly Leu Cys Leu I	An Ser Ten	Leu Phe Ile	Gly Ion Mot Th	T CGC TAC CAA	CGG TGG AAG
933/241	Jou Der Deu	Dea The Tre	963/251	r Arg Tyr GI	wid lib rAs
TCC AAG CTC TAC T	רכר אייוי הייי	TOT GGG AAA		A A A A C A C C C C	. CDC CMM CDD
Ser Lys Leu Tyr S	Ser Tle Val	Cue Glu Lue	Ser Thr Pro Cl	n AAA GAG GGG	GAG CIT GAA
993/261	702 210 141	cle orl ple	1023/271	d bys Gid Giy	Gin ben Gin
GGA ACT ACT ACT A	AG CCC CTG	GCC CCA AAC		ጥ ሮሮሮ እርጥ ሮሮእ	כככ ששכ אככ
Gly Thr Thr Thr I	vs Pro Leu	Ala Pro Asn	Pro Ser Phe Se	r Pro The Dea	Clar Pho Mb-
1053/281	-, o iio beu	110 1.5	1083/291	r Fro Int Pro	Gly File Thr
CCC ACC CTG GGC T	TC AGT CCC	GTG CCC AGT	TCC ACC TTC AC	C TCC XCC TCC	. N.C.C. MNM. N.C.C.
Pro Thr Leu Gly P	he Ser Pro	Val Pro Ser	Ser Thr Dhe Th	c 100 AGC 100	The This MLC
1113/301		.uz IIO UEI	1143/311	r her her bei	THE TYP THE
CCC GGT GAC TGT C	CC AAC TTT	GCG GCT CCC		S GCM CCM CCC	י דאידי כאר כרכי
Pro Gly Asp Cys P	ro Asn Phe	Ala Ala Pro	Ara Ara Glu Us	l Ala Pro Pro	TUP CIP CIP
1173/321		110	1203/331	- PIG EIO EIO	TAT GIH GIA
GCT GAC CCC ATC C	TT GCG ACA	GCC CTC GCC	TCC GAC CCC AT	ר ככר אאר ככר	ርጥጥ ሮክሮ አንር
Ala Asp Pro Ile L	eu Ala Thr	Ala Leu Ala	Ser Asp Pro 11	a Dro Aen Dea	Tou Cla Tea
•			p 110 11	- LIU ASH PIQ	men atu mas

FIG. 9B

1233/341 1263/351		
TGG GAG GAC AGC GCC CAC AAG CCA CAG AGC CTA GAC ACT GAT GAC CCC GCG		
Trp Glu Asp Ser Ala His Lys Pro Gln Ser Leu Asp Thr Asp Asp Pro Ala	Thr Leu Ty	yr
1293/361 1323/371	_	•
GCC GTG GTG GAG AAC GTG CCC CCG TTG CGC TGG AAG GAA TTC GTG CGC CGC	CTA GGG CI	ľG
Ala Val Val Glu Asn Val Pro Pro Leu Arg Trp Lys Glu Phe Val Arg Arg	Leu Gly Le	e u
1353/381 1383/391		
AGC GAC CAC GAG ATC GAT CGG CTG GAG CTG CAG AAC GGG CGC TGC CTG CGC		
Ser Asp His Glu Ile Asp Arg Leu Glu Leu Gln Asn Gly Arg Cys Leu Arg	Glu Ala Gl	ln
1413/401 1443/411		
TAC AGC ATG CTG GCG ACC TGG AGG CGG CGC ACG CGG CGC GAG GCC ACG		
Tyr Ser Met Leu Ala Thr Trp Arg Arg Thr Pro Arg Arg Glu Ala Thr	Leu Glu Le	e u
1473/421 1503/431 CTC CCC CTC CTC CCC CCC CCC CTC CTC CT		
CTG GGA CGC GTG CTC CGC GAC ATG GAC CTG CTG GGC TGC CTG GAG GAC ATC	GAG GAG GC	DG -
Leu Gly Arg Val Leu Arg Asp Met Asp Leu Leu Gly Cys Leu Glu Asp Ile 1533/441	Glu Glu Al	la
1303/131		
CTT TGC GGC CCC GCC GCC CCC GCG CCC AGT CTT CTC AGA TGA	15	580
Leu Cys Gly Pro Ala Ala Leu Pro Pro Ala Pro Ser Leu Leu Arg Stop		
GGCTGCGCCC CTGCGGGCAG CTCTAAGGAC CGTCCTGCGA 1620		
GATCGCCTTC CAACCCCACT TTTTTCTGGA AAGGAGGGGT CCTGCAGGGG CAAGCAGGAG	1680	
CTAGCAGCCG CCTACTTGGT GCTAACCCCT CGATGTACAT AGCTTTTCTC AGCTGCCTGC	1740	
GCGCCGCCGA CAGTCAGCGC TGTGCGCGCG GAGAGAGGTG CGCCGTGGGC TCAAGAGCCT	1800	
GAGTGGGTGG TTTGCGAGGA TGAGGGACGC TATGCCTCAT GCCCGTTTTG GGTGTCCTCA	1860	
CCAGCAAGGC TGCTCGGGGG CCCCTGGTTC GTCCCTGAGC CTTTTTCACA GTGCATAAGC	1920	
AGTITITIT GITTITGITI TGTTTTGTTT TGTTTTTAAA TCAATCATGT TACACTAATA	1980	
GAAACTTGGC ACTCCTGTGC CCTCTGCCTG GACAAGCACA TAGCAAGCTG AACTGTCCTA	2040	
AGGCAGGGC GAGCACGGAA CAATGGGGCC TTCAGCTGGA GCTGTGGACT TTTGTACATA	2100	
CACTAAAATT CTGAAGTTAA AAAAAAAAA AAAAGGAATT C	2141	

FIG.10

